

PARTS CATALOG SECTION

Contents

PARTS01-10	1. How to use Parts Catalog
PARTS02-10	2. Parts List of DW700
PARTS03-10	3. Parts Location and Parts List of DKC
PARTS03-10	3.1 Parts Location
PARTS03-30	3.2 Cache Memory Module Location
PARTS03-40	3.3 Parts List
PARTS04-10	4. Spare Parts List
PARTS05-10	5. Tool List

1. How to use Parts Catalog

1. Parts list

Table 1-1 shows the reference page of each part.

Table 1-1 Reference page of each part

No.	Part Name	Pages
1	DW700	PARTS02-10 through 02-120
2	Parts Location	PARTS03-10 through 03-40
3	Spare Parts	PARTS04-10 through 04-40

2. Tool list

This list shows tools necessary to exchange a part or to troubleshoot DW700.

3. How to refer to parts list

LIST AND INDEX NUMBER	PART NUMBER	NAME OF PART	UNITS PER ASSY	REMARKS
1- 1	3284394-J	DW700-CBX • Bezel	1	S.P

① : Indicates the list number of the assembly.

② : Indicates the item number given in the figure.

③ : Indicates the part number.

④ : Non-dot mark indicates a main assembly in a parts list.

One-dot mark indicates a part included in a main assembly.

Two-dot mark indicates a part included in a one-dot marked part.

⑤ : Indicates the unit type.

⑥ : Indicates a quantity per main assembly.

⑦ : If 'SP' is written, it indicates a spare part.

2. Parts List of DW700

(1) CBX

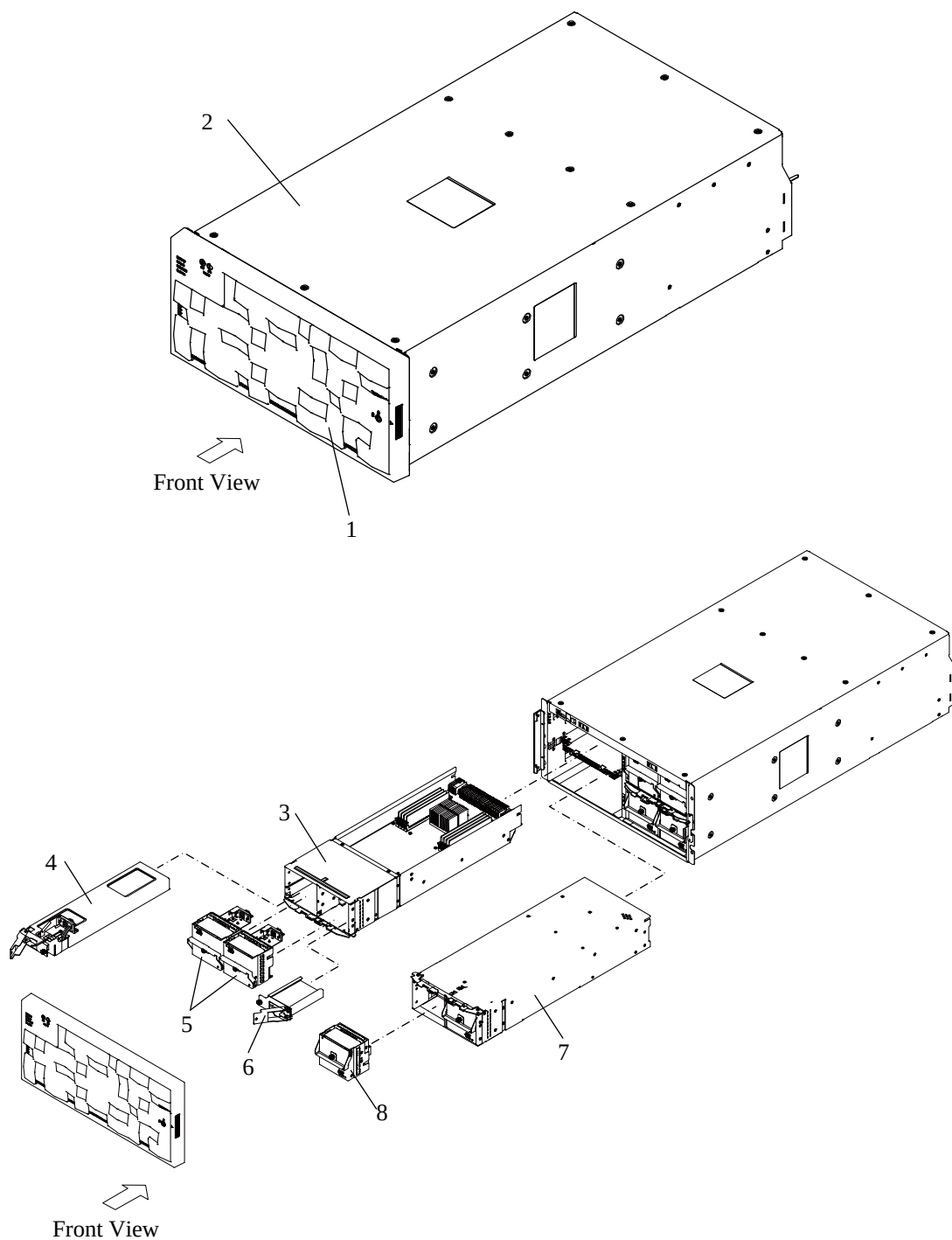


Fig. 2-1 CBX (1/2)

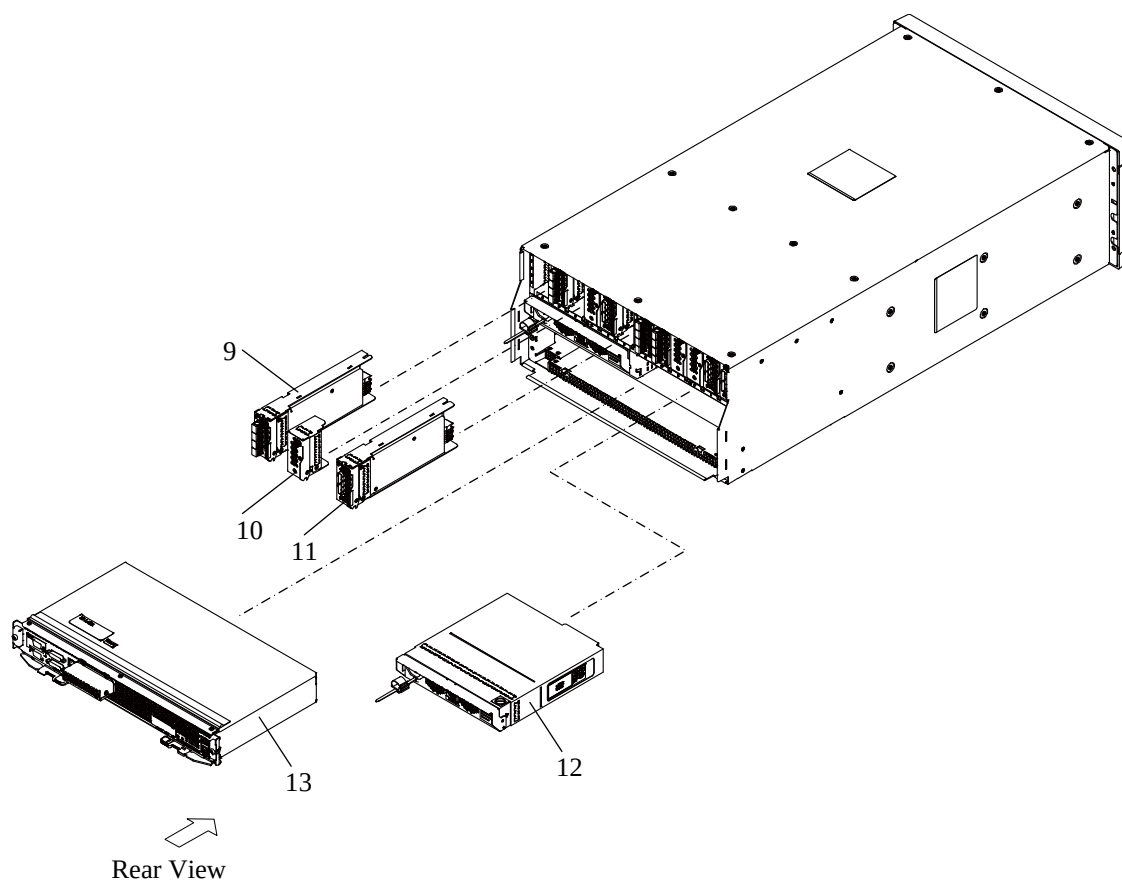


Fig. 2-1 CBX (2/2)

PARTS02-30**PARTS LIST 2-1** (Parts listed below is shown in Fig. 2-1.)

LIST AND INDEX NUMBER	PART NUMBER	NAME OF PART	UNITS PER ASSY	REMARKS
1-		DW700-CBX		
1	3284394-J	• Bezel	1	S.P
2	3284394-A	• Controller Chassis	1	S.P
3	3284394-C	• MAIN Blade	2	S.P
4	3284394-F	• Battery	2	S.P
5	3284394-D	• FAN(MAIN)	4	S.P
6	3284394-E	• CFM (80GB) (DW-F700-BM160)	2	S.P
	3284394-B	• CFM (128GB) (DW-F700-BM256)	2	S.P
7	3284394-G	• MPB	2	S.P
8	3284394-H	• FAN(MPB)	4	S.P
9	3285153-E	• CHB (DF-F850-HF8GR)	2 - 12	S.P
10	3287019-A/B	• Dummy (CHB/DKB)	10	
11	3285154-A	• DKB (DW-F700-BS6G)	4	S.P
	3284394-N	• DKB (DW-F700-BS6GE)	4	S.P
12	3285165-A	• DKCPS	2	S.P
13	3284394-I	• SVP	1	S.P
14				
15				

(2) DBL

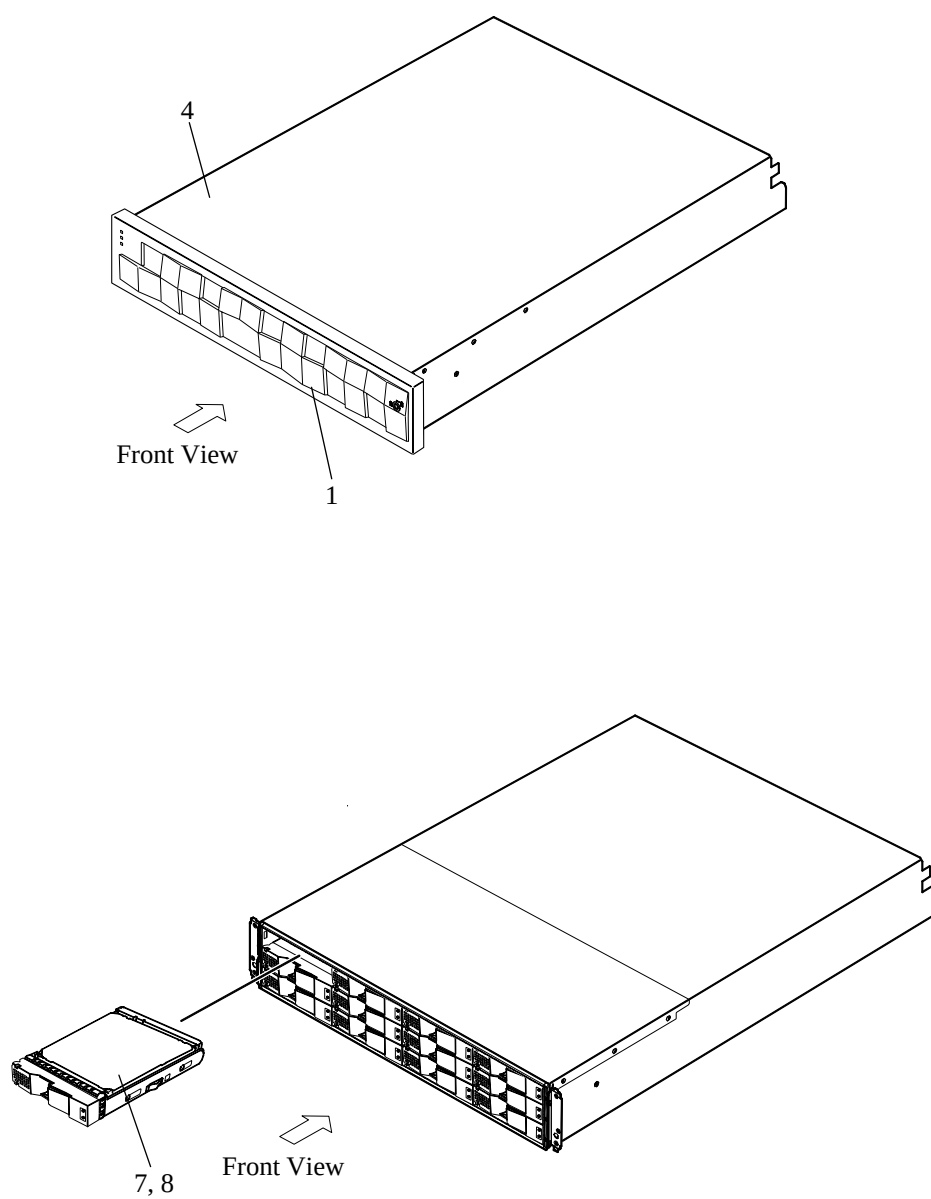


Fig. 2-2 DBL (1/2)

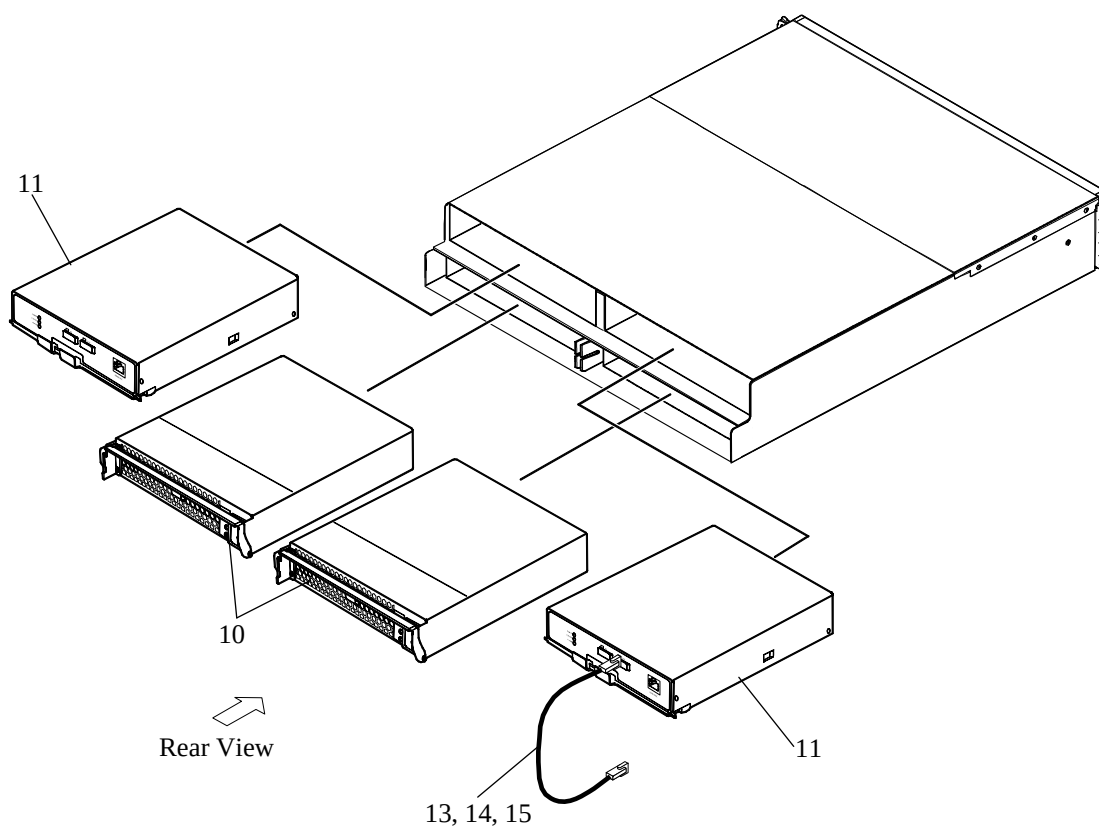
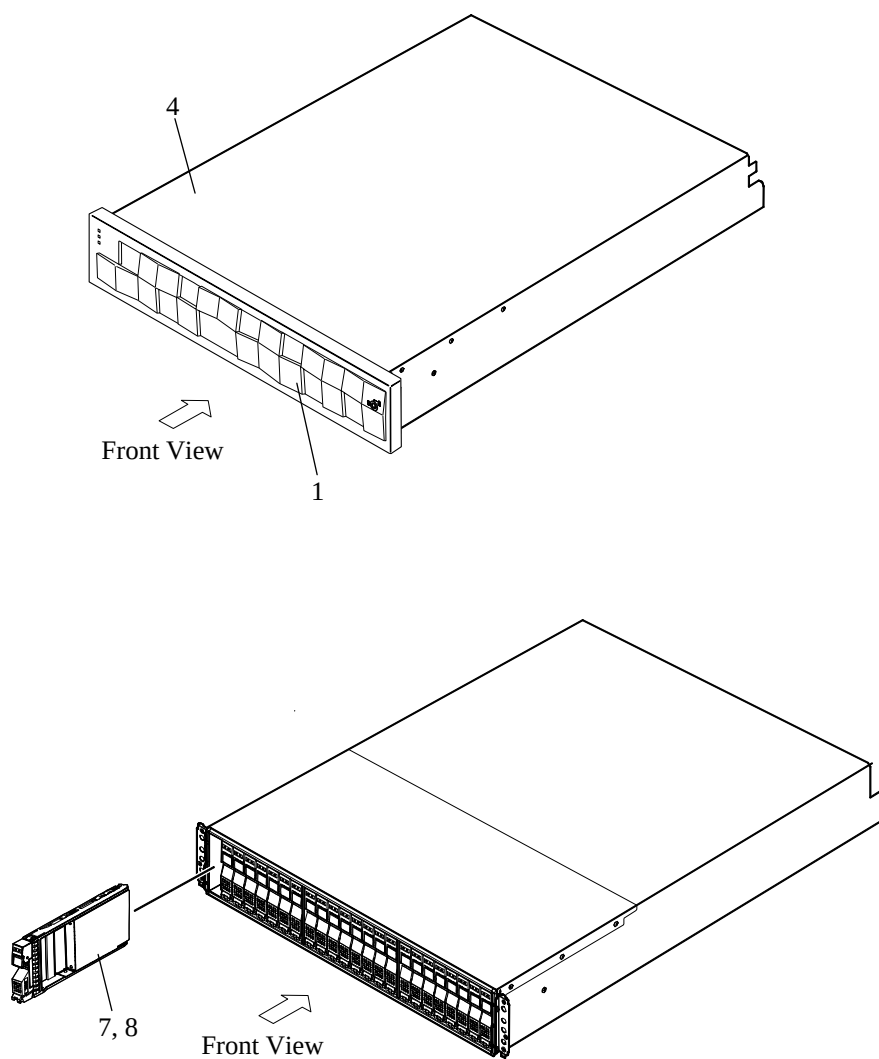
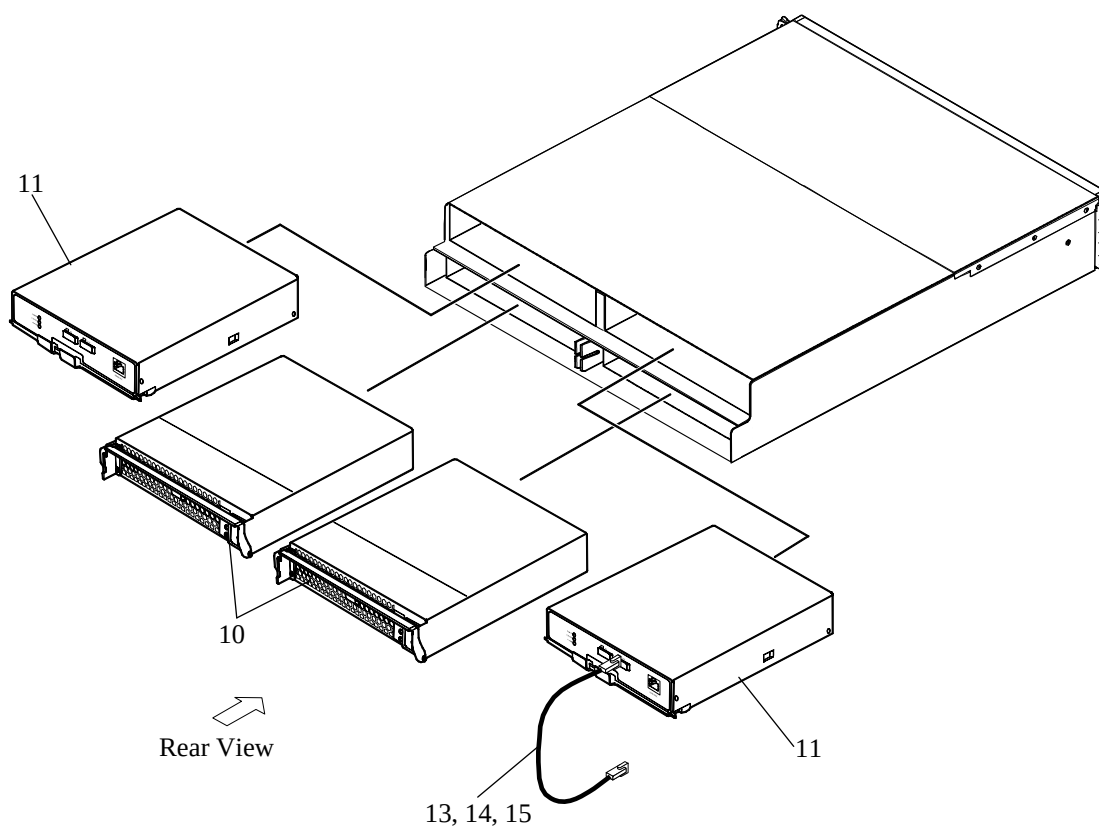


Fig. 2-2 DBL (2/2)

PARTS02-33**PARTS LIST 2-2 (Parts listed below is shown in Fig. 2-2.)**

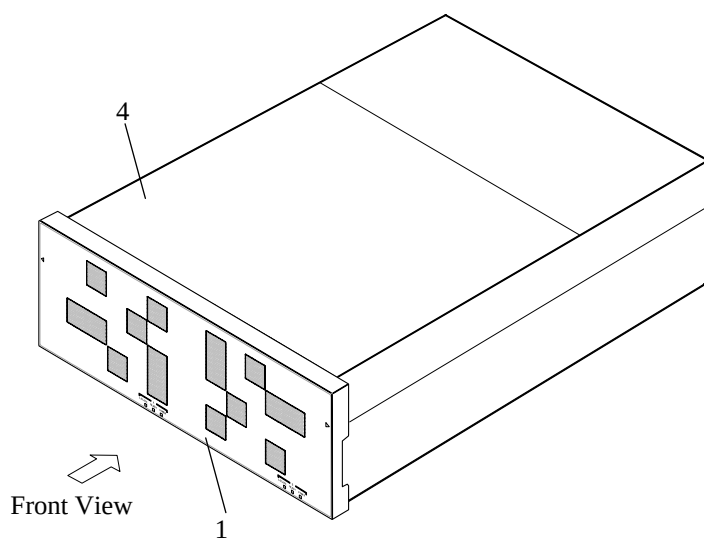
LIST AND INDEX NUMBER	PART NUMBER	NAME OF PART	UNITS PER ASSY	REMARKS
2-		DW-F700-DBL		
1	3285062-A	• Bezel	1	S.P
2				
3				
4	3284408-C	• Drive Box	1	S.P
5				
6				
7	3285076-B	• 3TB/7.2k/6Gbps/SAS-HDD (DF-F850-3TNL)	4 - 12	S.P
	3285076-C	• 4TB/7.2k/6Gbps/SAS-HDD (DF-F850-4TNL)	4 - 12	S.P
8	2853906-1	• Dummy (Drive)	0 - 8	
9				
10	3285197-A	• DBPS	2	S.P
11	3284408-A	• ENC	2	S.P
12				
13	3285194-A	• SAS(ENC) Cable (1 m) (DW-F700-SC1)	2	S.P
14	3285194-C	• SAS(ENC) Cable (5 m) (DF-F850-SC5)	2	S.P
15	3285194-B	• SAS(ENC) Cable (3 m) (DF-F850-SC3)	2	S.P
16				
17				
18				
19				
20				
21				

(3) DBS**Fig. 2-3 DBS (1/2)**

**Fig. 2-3 DBS (2/2)**

PARTS02-60**PARTS LIST 2-3 (Parts listed below is shown in Fig. 2-3.)**

LIST AND INDEX NUMBER	PART NUMBER	NAME OF PART	UNITS PER ASSY	REMARKS
3-		DW-F700-DBS		
1	3285062-A	• Bezel	1	S.P
2				
3				
4	3284408-D	• Drive Box	1	S.P
5				
6				
7	3285276-A	• 300GB/15k/6Gbps/SAS-HDD (DF-F850-3HGSS)	4 - 24	S.P
	3282390-A	• 600GB/10k/6Gbps/SAS-HDD (DF-F850-6HGSS)	4 - 24	S.P
	3282390-D	• 900GB/10k/6Gbps/SAS-HDD (DF-F850-9HGSS)	4 - 24	S.P
	3282390-E	• 1.2TB/10k/6Gbps/SAS-HDD (DF-F850-12HGSS)	4 - 24	S.P
	3285262-A	• 200GB/6Gbps/SSD (DF-F850-2HGDM)	4 - 24	S.P
	3285262-B	• 400GB/6Gbps/SSD (DF-F850-4HGDM)	4 - 24	S.P
	3285262-C	• 800GB/6Gbps/SSD (DF-F850-8HGDM)	4 - 24	S.P
8	3282382-1	• Dummy (Drive)	0 - 20	
9				
10	3285197-A	• DBPS	2	S.P
11	3284408-A	• ENC	2	S.P
12				
13	3285194-A	• SAS(ENC) Cable (1 m) (DW-F700-SC1)	2	S.P
14	3285194-C	• SAS(ENC) Cable (5 m) (DF-F850-SC5)	2	S.P
15	3285194-B	• SAS(ENC) Cable (3 m) (DF-F850-SC3)	2	S.P

(4) DBX**Fig. 2-4 DBX (1/2)**

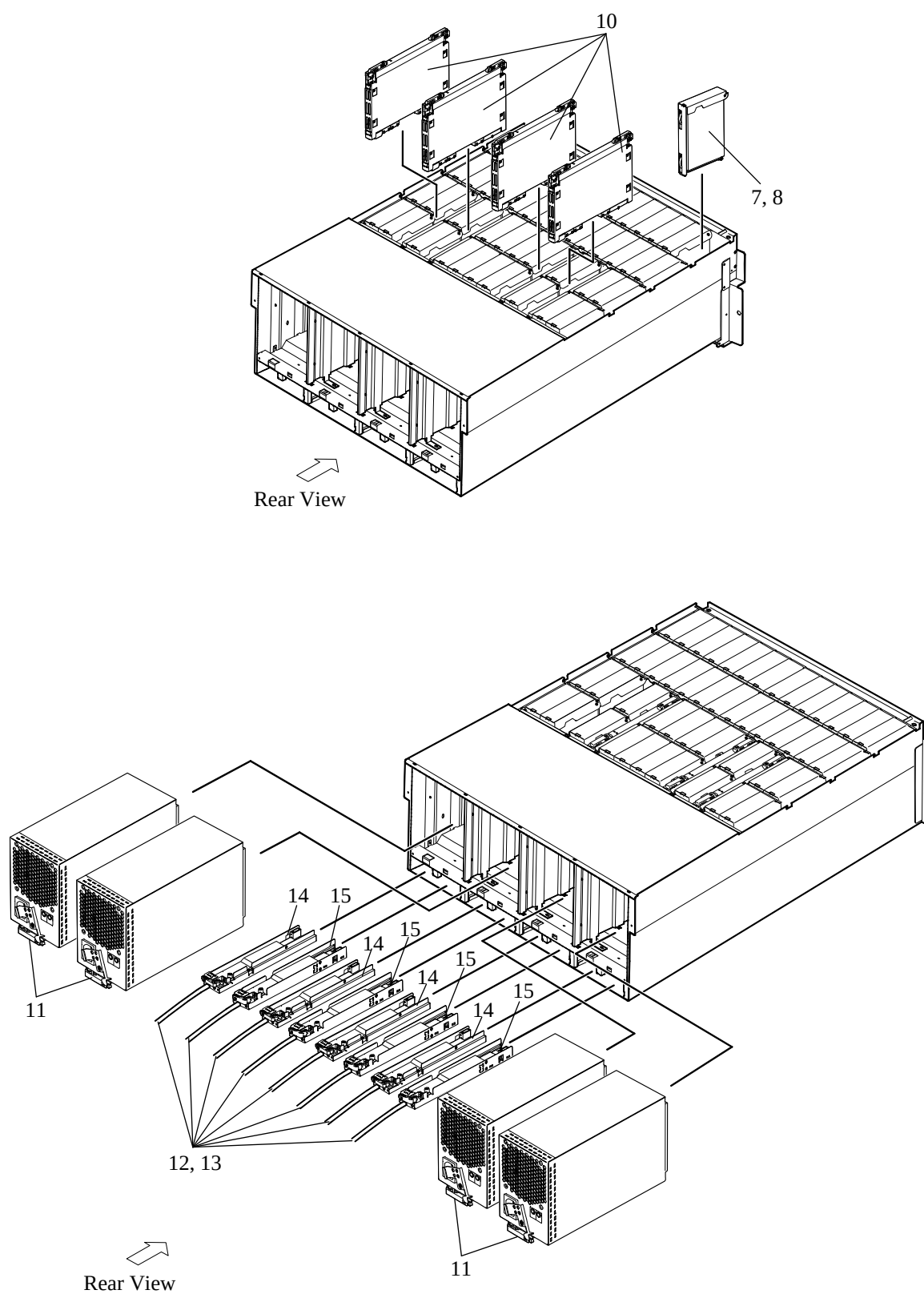


Fig. 2-4 DBX (2/2)

PARTS02-90**PARTS LIST 2-4 (Parts listed below is shown in Fig. 2-4.)**

LIST AND INDEX NUMBER	PART NUMBER	NAME OF PART	UNITS PER ASSY	REMARKS
4-		DW-F700-DBX		
1	3285129-A	• Bezel	1	S.P
2				
3				
4	3284408-E	• Drive Box	1	S.P
5				
6				
7	3285134-B	• 3TB/7.2k/6Gbps/SAS-HDD (DF-F850-3TNX)	4 - 48	S.P
	3285134-C	• 4TB/7.2k/6Gbps/SAS-HDD (DF-F850-4TNX)	4 - 48	S.P
8	2852830-1	• Dummy (Drive)	0 - 44	
9				
10	3284408-B	• ENC	4	S.P
11	3285145-A	• DBPS	4	S.P
12	3285194-C	• SAS(ENC) Cable (5 m) (DF-F850-SC5)	4	S.P
13	3285194-B	• SAS(ENC) Cable (3 m) (DF-F850-SC3)	4	S.P
14	3284408-K	• Cable Holder (IN)	4	S.P
15	3284408-L	• Cable Holder (OUT)	4	S.P
16				
17				
18				

(5) DBF

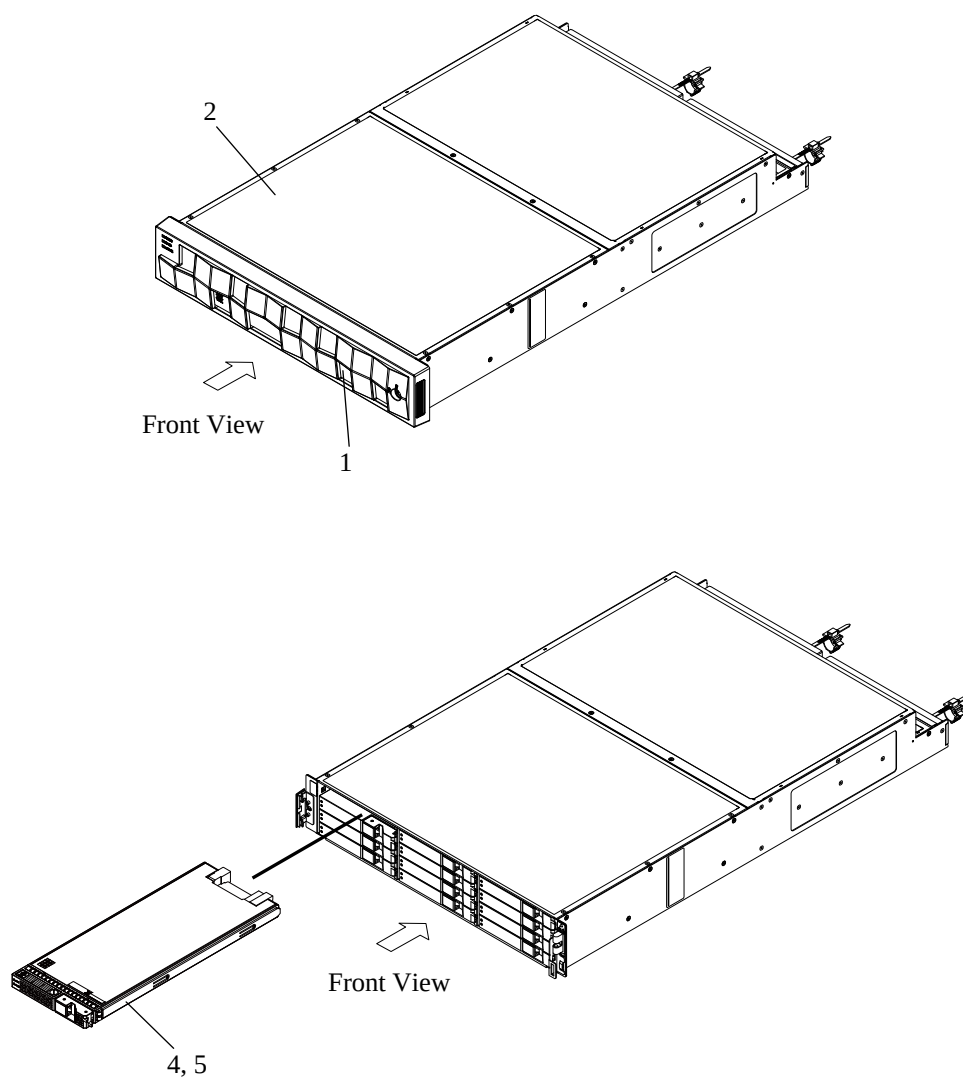


Fig. 2-5 DBF (1/2)

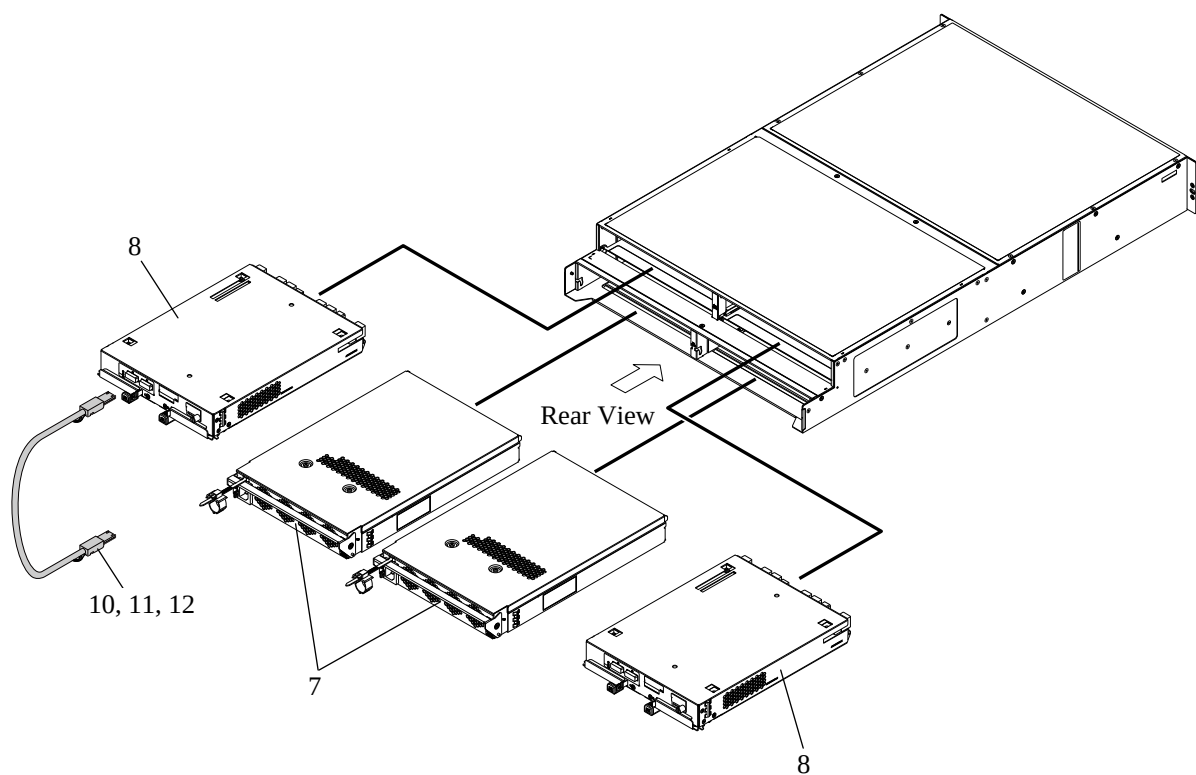


Fig. 2-5 DBF (2/2)

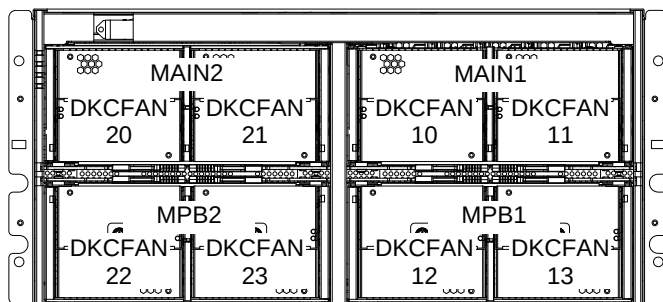
PARTS02-120**PARTS LIST 2-5 (Parts listed below is shown in Fig. 2-5.)**

LIST AND INDEX NUMBER	PART NUMBER	NAME OF PART	UNITS PER ASSY	REMARKS
5-		DW-F700-DBF		
1	3286592-A	• Bezel	1	S.P
2	3286590-A/3286611-A	• Drive Box	1	S.P
3				
4	3286549-A	• 1.6TB/6Gbps/MLC-SSD (DKC-F710I-1R6FM)	4 - 12	S.P
	3286550-A	• 3.2TB/6Gbps/MLC-SSD (DKC-F710I-3R2FM)	4 - 12	S.P
5	3286552-A	• Dummy (FMD)	0 - 12	
6				
7	3286593-A/3286613-A	• DBPS	2	S.P
8	3286591-A/3286612-A	• ENC	2	S.P
9				
10	3285194-A	• SAS(ENC) Cable (1 m) (DW-F700-SC1)	2	S.P
11	3285194-C	• SAS(ENC) Cable (5 m) (DF-F850-SC5)	2	S.P
12	3285194-B	• SAS(ENC) Cable (3 m) (DF-F850-SC3)	2	S.P
13				
14				
15				

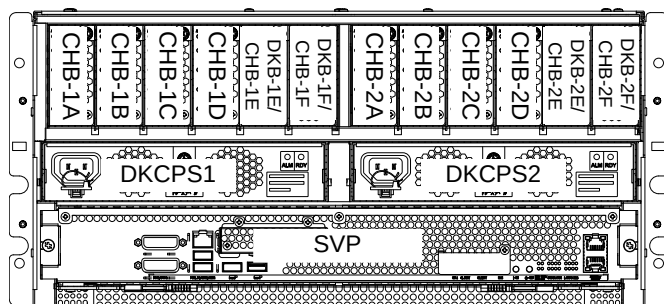
3. Parts Location and Parts List of DKC

3.1 Parts Location

The following figure shows the parts location of DKC.



Front View of DKC



Rear View of DKC

Fig. 3.1-1 Parts Location of DKC

PARTS03-20

The following figure shows the blade location of the rear side of the DKC.

CL1								CL2							
1A	1B	1C	1D	1E		1F		2A	2B	2C	2D	2E		2F	
1st CHB	2nd CHB	3rd CHB	4th CHB	1st DKB	5th CHB	1st DKB	6th CHB	1st CHB	2nd CHB	3rd CHB	4th CHB	1st DKB	5th CHB	1st DKB	6th CHB
*A	*A	*A	*A	*B	*A	*B	*A	*A	*A	*A	*A	*B	*A	*B	*A
BASIC	OPTION 1	OPTION 2	OPTION 3	BASIC	OPTION 4	BASIC	OPTION 5	BASIC	OPTION 1	OPTION 2	OPTION 3	BASIC	OPTION 4	BASIC	OPTION 5

*A: Description of CHB

CL1/CL2
1A,1B,1C,1D,1E,1F, 2A,2B,2C,2D,2E,2F
S H 5 5 9 - C
*A1

*A1: DF-F850-HF8GR × 2 sets

*B: Description of DKB

CL1/CL2
1E,1F,2E,2F
S H 5 6 1 - B
S H 5 6 1 - D
*B1
*B2

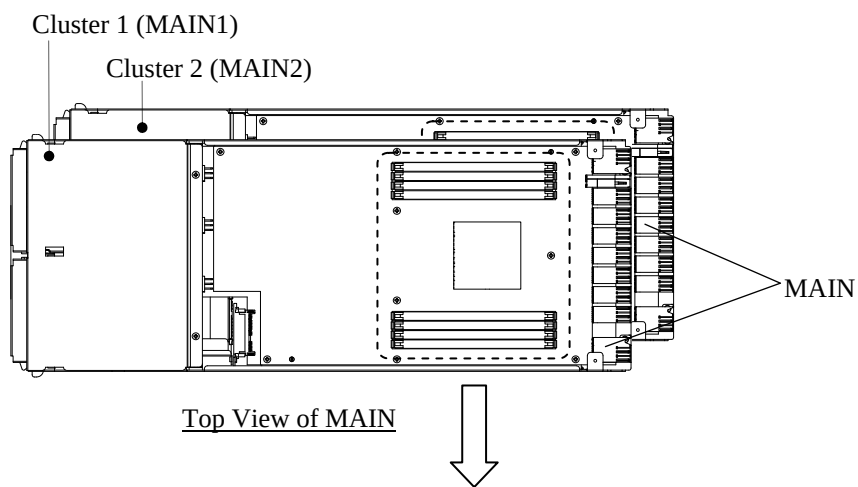
*B1: DW-F700-BS6G × 4 sets

*B2: DW-F700-BS6GE × 4 sets

Fig. 3.1-2 Blade Location

3.2 Cache Memory Module Location

The following figure shows the Cache Memory (CM) Module location on the MAIN Parts.



CM Module Location

MAIN1/MAIN2

CM00:	*1
CM10:	*2
CM02:	*1
CM12:	*2
CM13:	*2
CM03:	*1
CM11:	*2
CM01:	*1

*1: CMG0 (DF-F850-4GB/8GB, DW-F700-16GB × 8 sets)

*2: CMG1 (DF-F850-4GB/8GB, DW-F700-16GB × 8 sets)

Fig. 3.2-1 Cache Memory (CM) Module Location

PARTS03-40**3.3 Parts List****PARTS LIST 3.3-1** (Parts listed below are shown in Fig. 3.1-1 through 3.2-1.)

ITEM No.	PART NUMBER	PART NAME	QUANTITY PER DKC	REMARKS
10-1	3284394-C	MAIN Blade	2	SP
2	3284394-G	MPB	2	SP
3	3284394-D	FAN(MAIN)	4	SP
4	3284394-H	FAN(MPB)	4	SP
5	3285153-E	CHB	2 - 12	SP
6	3285154-A	DKB	4	SP
7	3284394-N	DKB	4	SP
8	3285165-A	DKCPS	2	SP
9	3284394-I	SVP	1	SP
10	3285124-A	Cache Memory Module (4GB)	8 - 16	SP
11	3285126-A	Cache Memory Module (8GB)	8 - 16	SP
12	3284394-P	Cache Memory Module (16GB)	8 - 16	SP

PARTS04-10**4. Spare Parts List**

The following table shows the Spare parts of the DW700.

No.	Part Name		Part Number	Corresponding List and Index Number
1	Controller Chassis		3284394-A	1-2
2	DKCPS	Power unit of CBL	3285165-A	1-12, 10-8
3	SVP	HM-SVP	3284394-I	1-13, 10-9
4	MAIN Blade	HM_MAIN_BOX	3284394-C	1-3, 10-1
5	FAN(MAIN)	MAIN-FAN	3284394-D	1-5, 10-3
6	Battery (Battery Life: 3 years) (NOTE)	HM-BATTERY	3284394-F	1-4
7	MPB	MP-BOX	3284394-G	1-7, 10-2
8	FAN(MPB)	MP-FAN	3284394-H	1-8, 10-4
9	MP Memory Module	Cache Memory	3284394-M	—
10	CBX Bezel		3284394-J	1-1
11	CFM (80GB)	Cache Flash Memory	3284394-E	1-6
12	CFM (128GB)	Cache Flash Memory	3284394-B	1-6
13	SFP for 8Gbps Longwave		3284394-K	—
14	SFP for 8Gbps Shortwave		3285226-E	—
15	DBPS (DBS/DBL)	Power unit of DBS/DBL	3285197-A	2-10, 3-10
16	ENC (DBS/DBL)	I/O Card for DBS/DBL	3284408-A	2-11, 3-11
17	Bezel for DBS/DBL	Front Bezel for DBS/DBL	3285062-A	2-1, 3-1
18	SAS Cable (1m)	Device I/F Cable 1m	3285194-A	2-13, 3-13, 5-10
19	Drive Box (DBL)	Chassis (DBL)	3284408-C	2-4
20	Drive Box (DBS)	Chassis (DBS)	3284408-D	3-4
21	Drive Box (DBX)	Chassis (DBX)	3284408-E	4-4
22	Drive Box (DBF)	Chassis (DBF)	3286590-A 3286611-A	5-2
23	Bezel for DBX	Front Bezel for DBX	3285129-A	4-1
24	SAS Cable (3m)	Device I/F Cable 3m	3285194-B	2-15, 3-15, 4-13, 5-12
25	ENC (DBX)	I/O Card for DBX	3284408-B	4-10
26	Cable Holder (IN)		3284408-K	4-14
27	Cable Holder (OUT)		3284408-L	4-15

(To be continued)

PARTS04-20

(Continued from the preceding page)

No.	Part Name		Part Number	Corresponding List and Index Number
28	DBPS (DBX)	Power unit of DBX	3285145-A	4-11
29	DBPS (DBF)	Power unit of DBF	3286593-A	5-7
			3286613-A	
30	ENC (DBF)	I/O Card for DBF	3286591-A	5-8
			3286612-A	
31	Bezel for DBF	Front Bezel for DBF	3286592-A	5-1
32	SAS Cable (5m)	Device I/F Cable 5m	3285194-C	2-14, 3-14, 4-12, 5-11
33	Cache Memory Module (4G)	Cache Memory (4GB) for CTLL	3285124-A	10-10
34	Cache Memory Module (8G)	Cache Memory (8GB) for CTLL	3285126-A	10-11
35	Cache Memory Module (16G)	Cache Memory (16GB) for CTLL	3284394-P	10-12
36	DKB	Disk Blade	3285154-A	1-11, 10-6
37	DKB	Disk Blade E	3284394-N	1-11, 10-7
38	CHB	Channel Blade	3285153-E	1-9, 10-5
39	SFF Disk Drive (for DBS) (300GB/15k/6Gbps/SAS-HDD)	S5C-K300SS	3285276-A	3-7
40	SFF Disk Drive (for DBS) (600GB/10k/6Gbps/SAS-HDD)	S5D-J600SS	3282390-A	3-7
		S5E-J600SS		
		R5C-J600SS		
		R5D-J600SS		
41	SFF Disk Drive (for DBS) (900GB/10k/6Gbps/SAS-HDD)	S5D-J900SS	3282390-D	3-7
		S5E-J900SS		
		R5D-J900SS		
42	SFF Disk Drive (for DBS) (1.2TB/10k/6Gbps/SAS-HDD)	R5E-J1R2SS	3282390-E	3-7
43	LFF Disk Drive (for DBL) (3TB/7.2k/6Gbps/SAS-HDD)	S2D-H3R0SS	3285067-B	2-7
		S2E-H3R0SS		
		R2D-H3R0SS		
44	LFF Disk Drive (for DBL) (4TB/7.2k/6Gbps/SAS-HDD)	S2E-H4R0SS	3285067-C	2-7

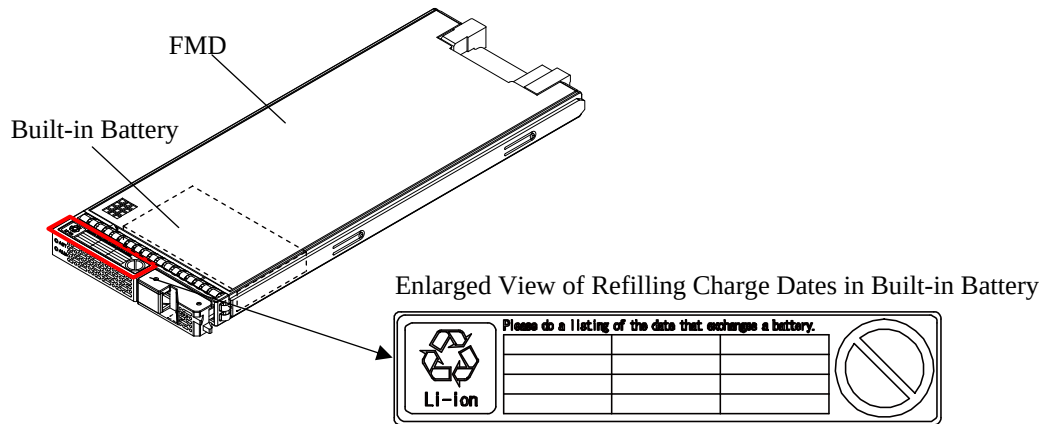
(To be continued)

PARTS04-30

(Continued from the preceding page)

No.	Part Name		Part Number	Corresponding List and Index Number
45	LFF Disk Drive (for DBX) (3TB/7.2k/6Gbps/SAS-HDD)	S2D-H3R0SS	3285134-B	4-7
		S2E-H3R0SS		
		R2D-H3R0SS		
46	LFF Disk Drive (for DBX) (4TB/7.2k/6Gbps/SAS-HDD)	S2E-H4R0SS	3285134-C	4-7
47	SFF Flash Drive (for DBS) (200GB/6Gbps/MLC-SSD)	R5B-M200SS	3285262-A	3-7
		B5A-M200SS		
48	SFF Flash Drive (for DBS) (400GB/6Gbps/MLC-SSD)	R5B-M400SS	3285262-B	3-7
		B5A-M400SS		
49	SFF Flash Drive (for DBS) (800GB/6Gbps/MLC-SSD)	B5A-M800SS	3285262-C	3-7
50	Flash Module Drive (for DBF) (1.6TB/6Gbps/MLC-SSD) (*1)	H1A-P1R6SS	3286549-A	5-4
51	Flash Module Drive (for DBF) (3.2TB/6Gbps/MLC-SSD) (*1)	H1B-P3R2SS	3286550-A	5-4

- *1: Check the refilling charge date of the Built-in Battery of the FMD and confirm that the period of storage is not over.



[Check of refilling charge dates]
Check the refilling charge dates.
[After refilling charge]
Write the refilling charge date.

	Date of the latest refilling charge			Shipment from the factory			The first refilling charge			The second refilling charge						
Months elapsed	1	2	3	4		12	13	14	15	16		24	25	26	27	
				Allowable period of storage at the HDS: 24 months at the longest												
				Period of storage at the factory: 3 months at the longest (①)			Period of storage at the HDS: 12 months (②) (*2)						Period of storage at the HDS: 12 months (③) (*2)			
	↔ Charging is done within 3 months before shipment.			↔ Charging is done within 3 months before shipment.						↔ Charging is done within 3 months before shipment.						
									➡ Discard the battery when it has been stored for 15 months (①+②) after the latest refilling charge.						➡ Discard the battery when it has been stored for 12 months (③) after the first refilling charge.	

- *2: The temperature requirements for storing FMDs are -10°C to 35°C.

NOTE: Battery Management**1. Batteries installed into an operating DKC, warehoused DKC or a combination.**

The batteries that are installed into a DKC that is in operation must be discarded when the DKC is de-installed and the batteries installed have greater than 4 months of operation. If the DKC is not de-installed but is in operation then the batteries must be replaced every 3 years per the Periodic Maintenance procedures. An exception would be one short install time of less than 4 months. Batteries need not be replaced if the combined short install and warehousing times when added together do not exceed 12 months. This is also provided the batteries are maintained per Battery Storage Mandatory Guidelines in below. Otherwise the batteries must be discarded.

2. Battery shelf life when used for spare parts.

Batteries shipped from the factory for Spares inventory use have the date of the shipment indicated on the packing box. The shelf life of these batteries is one year duration from this stamped date. Batteries may be used as a spare replacement part anytime up to this 1 year period if maintained per Battery Storage Mandatory Guidelines in below.

3. Battery Storage Mandatory Guidelines for Temperature and Periodic Charging.

All batteries in warehouse storage (either as spare parts or installed in a DKC) must receive a 24 hours charge every 6 months provided they are kept at a temperature below 25 Celsius. When the storage environment exceeds 25 Celsius but not 32 Celsius, the charge rate is increased to 24 hours charge every 3 months. When the storage environment exceeds 32 Celsius the batteries must be discarded. Battery charging can be accomplished in a DKC set up for charging purposes, or using a Battery Charger.

5. Tool List

The following table shows the maintenance tools:

TOOL NAME	SPECIFICATION	REMARKS
Monkey wrench	100mm	Used for installation, maintenance, trouble-shooting, and parts change.
Monkey wrench	300mm	
Hexagon wrench key set	1.27, 1.4, 1.58, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0mm	
Box driver set	4.0, 5.5, 6.0, 7.0, 8.0, 10.0mm	
Stubby driver set (PHILLIPS TYPE)	No. 2 x 38	
Stubby driver set (PHILLIPS TYPE)		
Screw driver set (STRAIGHT TYPE)		
Long screw driver (PHILLIPS TYPE)	250mm (No.3) for M6 or M8	
Insulated cutting pliers	175mm	
Insulated radio pliers	150mm	
Insulated cutting nipper	150mm	
Pincette	125mm	
Soldering iron	25W	Used for field change.
Soldering iron	100W	
Wrapping tool		
Oscilloscope	200MHz	Used for inspection.
Digital voltmeter	AC, DC, OHM	

The following table shows the special tools:

Tool Name	Parts No.	Remarks
Insulated screw driver	5480302-1	For removing screw
Air Spray (with Nozzle)	— (*1)	For Fibre connector cleaning
Ethyl Alcohol	— (*1)	For Fibre connector cleaning
Cut Gauze	— (*1)	For Fibre connector cleaning *The gauze material must be soft and strong for waste thread.
Dummy Canister (Dummy (Drive))	3282382-1	This must be inserted for all empty drive slots to generate stable airflow inside the Drive Box (DBS) for efficient cooling.
Dummy Canister (Dummy (Drive))	2853906-1	This must be inserted for all empty drive slots to generate stable airflow inside the Drive Box (DBL) for efficient cooling.
Dummy Adapter (Dummy (Drive))	2852830-1	This must be inserted for all empty drive slots to generate stable airflow inside the Drive Box (DBX) for efficient cooling.

(To be continued)

*1: ITPF does not supply the above described Special Tools marked with (*1).
Please try to purchase them locally.

PARTS05-20

(Continued from preceding page)

Tool Name	Parts No.	Remarks
Dummy FMD	3286552-A	This must be inserted for all empty FMD slots to generate stable airflow inside the Drive Box (DBF) for efficient cooling.